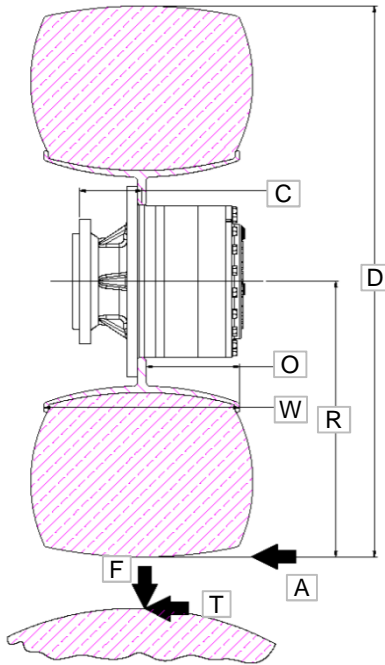




# Wheel Drive Application Data Form

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 Form: ADF-WD-1  
 Page: 1 of 1



Date: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Telephone: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Application: \_\_\_\_\_

### Machine Technical Data

Type of Equipment: \_\_\_\_\_  
 Wheel Drive Function: \_\_\_\_\_  
 Engine Power: \_\_\_\_\_ HP \_\_\_\_\_ RPM  
 Hydraulic Continuous: \_\_\_\_\_ PSI \_\_\_\_\_ GPM  
 Hydraulic Maximum: \_\_\_\_\_ PSI \_\_\_\_\_ GPM  
 Weight Empty: \_\_\_\_\_ Ton Loaded: \_\_\_\_\_ Ton  
 Number of Driven Wheels: \_\_\_\_\_ Total Wheels: \_\_\_\_\_

### Hydraulic Motor Data

Fixed Displacement  Variable Displacement  
 Type: \_\_\_\_\_  
 Manufacturer: \_\_\_\_\_  
 Maximum Displacement: \_\_\_\_\_ in<sup>3</sup>/rev  
 Motor Mount: \_\_\_\_\_  
 Pilot: \_\_\_\_\_ in Spline Data: \_\_\_\_\_

### Wheel and Gearbox Data

Wheel Diameter:	D	in
Wheel Radius Loaded:	R	in
Rim Width:	W	in
Rim Mounting Pad Distance:	O	in
Wheel Center to Gearbox Mount:	C	in
Axial Force:	A	lbf
Tractive Force:	T	lbf
Radial Load:	R	lbf

### Brake Data

Brake Torque Required: \_\_\_\_\_ in-lbs  
 Brake Release Pressure: \_\_\_\_\_ PSI

Maximum Gradeability: \_\_\_\_\_ %  
 Maximum Tractive Effort: \_\_\_\_\_ lbf  
 Maximum Draw Bar Pull: \_\_\_\_\_ lbf  
 Maximum Vehicle Speed: \_\_\_\_\_ mph  
 Max Output Torque: \_\_\_\_\_ in-lbs  
 Max Output Speed: \_\_\_\_\_ RPM  
 Reduction Ratio: \_\_\_\_\_ :1  
 Operating Range: \_\_\_\_\_ °F  
 Design Life Required: \_\_\_\_\_ hrs  
 Annual Requirements: \_\_\_\_\_ Qty/yr

### Duty Profile Load Spectrum

Condition	Output Torque (in-lbs)	Speed (RPM)	Radial Load (lbs)	Time (%)
1				
2				
3				
4				